

Notice of Allowability

Application No.

10/825,979

Examiner

Chuc D. Tran

Applicant(s)

AISENBREY, THOMAS

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment after final submitted 02/10/06.
2. ☒ The allowed claim(s) is/are 1-17, 19-37, 39-44 and 46-58.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____



HOANG V. NGUYEN
PRIMARY EXAMINER

DETAILED ACTION

Response to Amendment

1. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Douglas R. Schnabel, Reg. No. 47,927 on March 24, 2006.

The application has been amended as follows:

Claims 18, 38 and 45 have been cancelled; and thus, claims 1-17, 19-37, 39-44 and 46-58 are now remaining in the instant application.

Claims 19, 20 and 22, line 1, "Claim 18" has been changed to - - Claim 1 - -;

Claim 1, "An inductor device comprising a loop of conductive loaded, resin-based material comprising materials in a base resin host" have changed to - - An inductor device comprising a loop of conductive loaded, resin-based material comprising materials in a base resin host; wherein said loop further comprises a core structure located inside said loop, wherein said core structure alters the inductance of said loop - -;

Claim 28, "An inductor device comprising a conductive loop; and a core structure located

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inside said loop wherein said core structure comprises conductive loaded, resin-based material comprising conductive materials in a base resin host” have been changed to - - An inductor device comprising a conductive loop, wherein the conductive loop comprises said conductive loaded resin-based material; and a core structure located inside the loop wherein the core structure comprises conductive loaded, resin-based material comprising conductive materials in a base resin host - -;

Claim 44, “A method to form an inductor device, said the method comprising: providing a conductive loaded, resin-based material comprising conductive materials in a resin-based host; and molding said conductive loaded, resin-based material into a loop to form an inductor device” have been changed to - - A method to form an inductor device, said the method comprising: providing a conductive loaded, resin-based material comprising conductive materials in a resin-based host; and molding said conductive loaded, resin-based material into a loop to form an inductor device; wherein said molded conductive loaded resin-based device comprises a core - - .

Drawings

3. The drawings were received on April 16, 2004. These drawings are accepted.

Allowable Subject Matter

4. Claims 1-17, 19-37, 39-44 and 46-58 are allowed.

Reasons for Allowance

5. The following is an examiner’s statement of reasons for allowance:

Prior art fails to disclose the combination of the limitations as set forth in the claim: a

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core structure located inside said loop, wherein said core structure alters the inductance of said loop in independent claim 1.

Claims 2-17 and 19-27 are allowable for the reasons give above because of their dependency status from independent claim 1.

Prior art fails to disclose the combination of the limitations as set forth in the claim: a conductive loop, wherein the conductive loop comprises said conductive loaded resin-based material; and a core structure located inside the loop wherein the core structure comprises conductive loaded, resin-based material comprising conductive materials in a base resin host in independent claim 28.

Claims 29-37 and 39-43 are allowable for the reasons give above because of their dependency status from independent claim 28.

Prior art fails to disclose the combination of the limitations as set forth in the claim: a method of molding said conductive loaded, resin-based material into a loop to form an inductor device; wherein said molded conductive loaded resin-based device comprises a core in independent claim 44.

Claims 46-58 are allowable for the reasons give above because of their dependency status from independent claim 44.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Citation of relevant prior art

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Prior art Jordan (USP. 5,759,462) disclose electrically conductive tapes and process.

Prior art Luch (USP. 6,582,887) disclose electrically conductive patterns, antennas and method of manufacture.

Prior art Sypula et al (USP. 4,747,992) disclose process for fabricating a belt.

Prior art Ikegawa et al (USP. 5,652,649) disclose charging device and image forming apparatus.

Prior art Andelman (USP. 6,127,474) disclose strengthened conductive polymer stabilized electrode composition and method of preparing.

Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuc D. Tran whose telephone number is (571) 272-1829. The examiner can normally be reached on M-F Flex hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TC
March 25, 2006



HOANG V. NGUYEN
PRIMARY EXAMINER